

Item # _____

Prepared by: Michael Oakes
Engineering

Approved by: _____
County Attorney

A RESOLUTION APPROVING AN AGREEMENT WITH THE TOWN OF COLLIERVILLE TO TREAT THE WASTEWATER FROM THE COTTON CREEK AREA. SPONSORED BY COMMISSIONER WYATT BUNKER.

WHEREAS, Some one hundred and two (102) lots are located in the area known as Cotton Creek which includes the subdivisions of Kirkland Estates, Cotton Creek and Fox Hollow Farms (Phases I and II); and

WHEREAS, The residents of this area have experienced problems with the septic tanks due primarily to inadequate soil percolation rates; and

WHEREAS, The result of these problems represents a health hazard to the neighborhood and downstream water; and

WHEREAS, It has been determined that a Low Pressure Sewer System (LPSS) is the most cost effective manner to collect and transport the wastewater from the lots; and

WHEREAS, The Town of Collierville has agreed in principle to treat the Cotton Creek area wastewater at the Shelton Road Treatment Plant; and

WHEREAS, The operation and maintenance of the LPSS will be responsible of the Town of Collierville and the system users; and

WHEREAS, The residents of the Cotton Creek area being served by the LPSS shall be required to connect to the sewer system per Shelby County Ordinance 28-104, plumbing facilities required; and

WHEREAS, The system users will be responsible for the connection fees and treatment fees established by the Town of Collierville; and

WHEREAS, The agreement with the Town of Collierville shall not be effective until the Collierville Board of Mayor and Alderman have voted for approval; and

WHEREAS, The Stanford Group in their capacity as operator of the Spring Creek Ranch Country Club has agreed to allow their water to be transported to the Treatment Plant by connection to a Lift (pump) Station owned and operated by the Town of Collierville to which Stanford Group holds capacity rights and obligations; and

WHEREAS, AFRAM has been retained to study the problems, recommend corrections and prepare construction documents for system installation; and

WHEREAS, An amendment to the contract with AFRAM to provide for design of the LPSS is being submitted as a companion item to this resolution; and

WHEREAS, Approval of the amendment to the contract with AFRAM is dependent on approval of the agreement with the Town of Collierville.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SHELBY COUNTY, TENNESSEE, That the Mayor be authorized to sign the Agreement with the Town of Collierville providing for treatment of wastewater from the Cotton Creek area and that such agreement must be in effect prior to signing a contract with AFRAM for the design of plans for the new system.

A C Wharton, Jr., Mayor

Date:_____

ATTEST:

Clerk of County Commission

ADOPTED _____

**SHELBY COUNTY BOARD OF COMMISSIONERS
AGENDA ROUTE SHEET**

Referred to Commission Committee Public Works

For Commission Action on _____

DESCRIPTION OF ITEM:

**A RESOLUTION APPROVING AN AGREEMENT WITH THE TOWN OF
COLLIERVILLE TO TREAT THE WASTEWATER FROM THE COTTON CREEK
AREA. SPONSORED BY COMMISSIONER WYATT BUNKER.**

CHECK ALL THAT APPLY BELOW:

 X This Action does NOT require expenditure of funds.

 This Item requires/approves expenditure of funds as follows (complete all that apply):

County General Funds: \$ _____; County CIP Funds: \$ _____

State Grant Funds: \$ _____; State Gas Tax Funds: \$ _____

Federal Grant Funds: \$ _____

Other funds (Specify source and amount): \$ _____

Other pass-thru funds (Specify source and amount): \$ _____

Originating Department: Engineering
APPROVAL:

Dept. Head: Michael E. Oakes, P.E. – (901) 545-4332 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

Elected Official: Commissioner Wyatt Bunker - (901) 545-4301 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

Division Director: Ted Fox - (901) 545-4565 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

CIP – A&F Director: Jim Huntzicker – (901) 545-4514 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

Finance Dept. Mike Swift – (901) 545-4449 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

County Attorney: Pam Skelton (901) 545-4362 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

CAO/Mayor: Jim Huntzicker – (901) 545-4514 \ _____ \ _____
(Type your name & phone #.) (Initials) (Date)

SUMMARY SHEET

I. Description of Item

Resolution approving an agreement with the Town of Collierville to treat the wastewater from the Cotton Creek area.

II. Source and Amount of Funding

A. Amount Expended/Budget Line Item

No County funds required

III. Contract Items

- A. Type of Contract
- B. Terms

IV. Additional Information Relevant to Approval of This Item

Over a period of about two decades, developments were approved in these subdivisions upon review by County Health Department officials using only U.S. Soil Conservation Service soils maps. The area is also in the Wolf River floodplain and is, thus, very flat and poorly drained. Over the years, many residents have reported problems with water from the septic tanks standing on their lots. This water should soak (percolate) into the ground but the amount of clays in these local soils make this impossible at an adequate rate. Responsibility for developing in floodplains and determining adequacy of soils for use in support of septic tanks rests with the developer, individual home builder and owner in accordance with State and County Regulations. However, since this problem could eventually result in health problems by pollution of downstream waters, a systemic solution is considered to be in the County's best interest.

AFRAM, Inc. has been retained and has performed a study which confirmed that the soils comprising most of the lots of these subdivisions are unable to percolate properly. Alternatives were considered and the installation of a Low Pressure Sewer System (LPSS) is considered to provide the most efficient solution at the best cost. This system collects the water from the septic tanks by gravity flow, when possible, and uses small pumps at each tank when gravity flow will not work. This "grey" water is then pumped to a large sewer pump (lift station) where it is pumped along a pressure sewer line (force main) to Collierville's Shelton Road Wastewater Treatment plant.

While, the lift station is owned by Collierville, Spring Creek Ranch owns most of the capacity rights. Accordingly, agreements are needed with the Town of Collierville and Spring Creek Ranch (The Stanford Group). Finally, an amendment with AFRAM, Inc. is required to produce the construction drawings (CD's) for the LPSS. The Stanford Group and AFRAM resolutions have been prepared and accompany this resolution. Funding in the amount of \$1.1 M has been provided in the FY 09 Budget to construct the system.